



**Goals/strategies/tools to be applied**

The following G/S/T are being applied within the FloodProBE Rotterdam pilot:

- Method and tools for assessing safety of the REA area within dike ring 14 and its flood defences. Dominant failure mechanisms of the defences are part of this, as well as the flood simulation after breach in Rotterdam Rijnmond area.



Figure 3 – Airport terminal

**The FloodProBE Project**

FloodProBE is a European research project with the objective of providing cost-effective solutions for flood risk reduction in urban areas. FloodProBE aims to develop technologies, methods and tools for flood risk assessment and for the practical adaptation of new and existing buildings, infrastructure and flood defences leading to a better understanding of vulnerability, flood resilience and defence performance. This research supports implementation of the Floods Directive through the development of more effective flood risk management strategies.

Email: [info@floodprobe.eu](mailto:info@floodprobe.eu)  
 Website: [www.floodprobe.eu](http://www.floodprobe.eu)

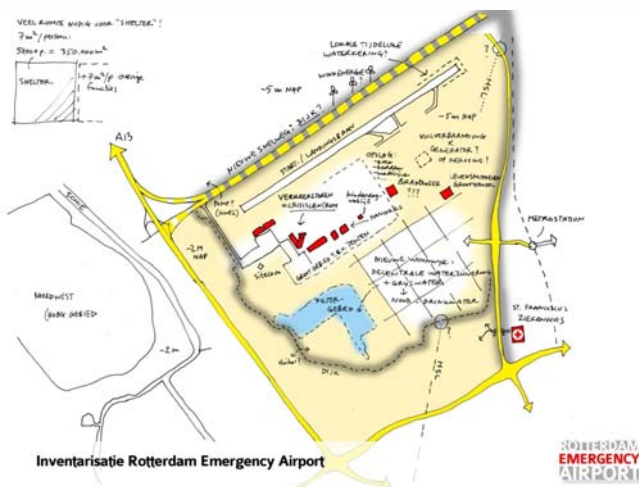


Figure 2 – Inventory of probable flood defences

- Design guidance for temporary flood defences. Temporary flood defences have to function for a relatively short time in case of a breach in the primary system.
- Technologies and design guidance for temporary flood defences in the created secondary compartment dyke ring.
- Technologies and design guidance for smart shelters.
- Technologies and design guidance for resilient critical infrastructures and hotspot buildings.